Brunoidathy TBAO C0104 22/17-18 dt 19-4-2017

M.A.R. 57 (Rule 116)

Measurement Book No. C/09 171187

Serial No. Measurements Recorded on - 31/08/2017

Name of work Drilling of Borewell ~~in~~ From No 15 in T. Dasarahalli Sub division

Name of Contractor of nature of Agency Technical manager KRRDL, P.B. No 280 15th Cross 13th C main road B-10

Date of commencement of work W.O.No: EE(D)/006/17-18 dt 7-8-17

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
1	Geophysical Survey geophysical Investigation of site for siting Borewell for Supplying drinking water to the habitation System through the best prop. MWS, process by vertical electrical Sounding by adopting Wenner or Schlumberger's method including reconnaissance. Survey of geological formation Geophysical investigation of surface ground water in the vicinity study feasibility & acceptable of the wells indicates the location of the site recommended depth of casing pipe to seal the top unconsolidated formation drilling and total depth					1.No	
	(1) Kempegowda nagara Near garden school	1.No				1.No	
	(2) Maheshwaramma nagara Near Govt school	1.No				1.No	
	(3) Kalabhairaveshwara nagara	1.No				1.No	
	(4) Vinayaka nagara	1.No				1.No	
	(5) 2nd Cross Near St mary School	1.No		@1882.00/e		5.Nos	9410/-

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
2	Sinking of Bore well of 150 mm clear using fast hydraulic rig of capacity 250 PSI [illegible] CMT [illegible] in all strata [illegible] over burden upto 22 m fixing of casing pipes collar [illegible] cap with necessary cutting threading [illegible] transportation of rig and [illegible] [illegible] [illegible] [illegible] of [illegible] [illegible] yield [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] of [illegible] for one hour all as per specifications.						
	CRV Keepeymt 0 to 50m Nagaran Near garden school	1	50.00	— 306.00/m	—	50.00	15300/-
	50 to 100 m	1	50.00	- 400.00/m	—	50.00	20000/-
	100 to 150 m	1	50.00	— 445.00/m	—	50.00	22250/-
	150 to 200 m	1	50.00	— 470.00	—	50.00	23500/-
	200 to 250 m	1	50.00	— 544.00	—	50.00	27200/-
	250 to 300 m	1	50.00	— 583.00/m	—	50.00	29150/-
	300 to 350 m	1	50.00	— 622.00	—	50.00	31100/-

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Measurement Book

No. C/09 171188

Serial No.............................

Name of work.............................From.............................To.............................

Name of Contractor of nature of Agency.............................

Date of commencement of work.............................

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Maheshwari Nagar						
	(b) Near Gopal bakery 0 to 50m	1	50.00	306.00	—	50.00	15300/-
	50 to 100m	1	50.00	400.00	—	50.00	20000/-
	100 to 150m	1	50.00	445.00	—	50.00	22250/-
	150m to 200m	1	50.00	470.00	—	50.00	23500/-
	200 to 250m	1	50.00	544.00	—	50.00	27200/-
	250m to 300m	1	50.00	583.00	—	50.0	29150/-
	300 to 350m	1	50.00	622.00	—	50.00	31100/-
	(c) Kolabasti Nagar 0 to 50m	1	50.00	306.00	—	50.00	15300/-
	Near Urdu school 50m to 100m	1	50.00	400.00	—	50.00	20000/-
	100 to 150m	1	50.00	445.00	—	50.00	22250/-

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	150 m to 200 m	1	50.00	— 470.00	—	50.00	23500/-
	200 m to 250 m	1	50.00	544.00	—	50.00	27200/-
	250 m to 300 m	1	50.00	— 583.00	—	50.00	29150/-
	300 m to 350 m	1	50.00	— 622.00	—	50.00	31100/-
	d) Vinayaka Nagara near Shanti Niketana apartment 0 to 50 m	1	50.00	— 306.00/m	—	50.00	15300/-
	50 m to 100 m	1	50.00	— 400.00/m	—	50.00	20000/-
	100 m to 150 m	1	50.00	— 445.00/m	—	50.00	22250/-
	150 m to 200 m	1	50.00	— 470/m	—	50.00	23500/-
	200 m to 250 m	1	50.00	— 544/m	—	50.00	27200/-
	250 m to 300 m	1	50.00	— 583/m	—	50.00	29150/-
	300 m to 350 m	1	50.00	— 622.00	—	50.00	31100/-
	e) 2nd Cross near St. Mary's School 0 to 50 m	1	50.00	— 306.00/m	—	50.00	15300/-
	50 to 100 m	1	50.00	— 400/m	—	50.00	20000/-

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No. C/09 171189

Serial No..............................

Name of work..From..To..

Name of Contractor of nature of Agency..

Date of commencement of work..

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	100m to 150m	1	50.00	445/m	–	50.00	22250/-
	150m to 200m	1	50.00	470/m	–	50.00	23500/-
	200m to 250m	1	50.00	544/m	–	50.00	27200/-
	250m to 300m	1	50.00	582/m	–	50.00	29150/-
	300m to 350m	1	50.00	622/m	–		31100/-
3	Supply of DST model 100mm nominal bore plain ended steel casing pipe grade 4 Steel Fe 410 of wall thickness 7.1 mm heavy casing to IS 1387/1993 and manufactured by basic open hearth steel or basic oxygen process in rolling						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Lent of 5 to 7 mtr Bore Open [illegible] [illegible] or bore [illegible] [illegible] [illegible] in [illegible] Lent of 5 to 7 mtr Bore End to [illegible] Casing to IS 554/1985 [illegible] [illegible] was a Sound Casing to IS 4270/2001 [illegible] [illegible] [illegible] [illegible]						
		5	40.00	–	–	200.00 m	265000/-
					@ 1325/m		
4	addition rate over item no 2 is allowed for driving in new bore/lowering following casing pipe beyond 20 mtr at 15% and beyond 30 mtr 20% on basic rates of [illegible] 306 in [illegible]						
	along 20 mtr [illegible] 30 mtr at	5	10.00	–	–	50.00 m	2295/-
					@ 45.90/m		
5	providing 175 mm dia MS Collar.						
		5	10.00	–	–	50.00 m	7500/-
				150.00			
6	providing 175 mm dia MS Cap						
		5	1.00	–	–	5.00 m	500/-
				@ 100/-			

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Measurement Book

No. C/09 171190

Serial No...............................

Name of work.......................................From.......................................To.......................................

Name of Contractor of nature of Agency.......................................

Date of commencement of work.......................................

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
7	Supply & delivery at site New bore 4· [illegible] made Suitable vertical in 150 mm dia Bore well Capacity of self Stage or multi stages C.F. pump Close coupled by means of Stainless steel coupled to suitable H.P Suitable Speed [illegible] Cutting [illegible] fitted with pump [illegible] Core [illegible] inclined motor suitable for quantity of 3 ph 50Hz 280/415 volt AC Supply 15 HP 50 [illegible]	1	5000	–	–	5 No	353000/-
				@ 70600/-			
8	Supplying and Driving 3 Core flat PVC Shielded Submersible pump Cable Manufacturer with standard good approved flexible copper Conductor to [illegible] 3 Core 5 of IS 8130-1984 and/						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Supply pvc installation eq Slotted [illegible] for [illegible]						
		5x2	310.00	--		3100.0	
		10	70.00	-		700.00	606100/-
				@ 159.50/m		3800.00m	
9	Supply eq fixing 50 mm non Return valve of various type of pipes having [illegible] cost full material.						
		1	5.00	-	-	5.00 No	5725/-
				01145.00/-			
10	Supply eq fixing 50 mm Gm gate valve						
		1	5.00		-	5.00	8000/-
				1600.00/-			
11	Supply eq fixing 100 mm borewell [illegible]. [illegible]						
		1	5.00	-	-	5.00	2500/-
				0500.00/-			

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Serial No..............................

Name of work..............................From..............................To..............................

Name of Contractor of nature of Agency..............................

Date of commencement of work..............................

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
12	Supply and fixing 50 mm GI [illegible].	1	5.00	223.70/-	–	5.00m	1119/-
13	Supply and fixing 50mm GI Elbow.	5	3.00	–	–	15.00	1677/-
				111.80/-			
14	Supply and delivery of 5m long new GK Contact belt Indigenous made Combined [illegible] [illegible] of size 1200 x 6000 x 50mm [illegible] strong [illegible] water proof [illegible] detachable [illegible] 3ply 50mm 388 [illegible]	1	5.00	–	–	5.00m	50000/-
				10000/-			

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
15	providing col bar of 50mm GI pipe clamp heavy duty for Screen of Submersible pump set following bell 50mm supply & delivery of clamp heavy duty						
		1	5.00	290.00	-	1450.00	
		1	60.00	50.00	-	300.00	
					519.30/-	1750.00 Rs	908775/-
16	Supply & fixing, 50mm GI Collar Heavy duty.						
		1	150.00	-	-	150.00 Nos	22500/-
				0150.00/-			
17	Screening of [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] Cent [illegible] [illegible]						
		1	5.00	-	-	5.00	2375
				0475.00/-			
18	Supply of TPST water resistant pressure check [illegible] Solder 10/22 [illegible]						
		1	5.00	-	-	5.00 Nos	6600/-
				01320/-			

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Measurement Book

No. C/09 171192

Serial No................................

Name of work...From...To......................................

Name of Contractor of nature of Agency...

Date of commencement of work..

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
19	Supplying and fixing 500 [illegible] 63 Amp [illegible] pole [illegible] [illegible] [illegible] [illegible] [illegible] plate in front plate [illegible] [illegible] [illegible] Set fixing the [illegible] of the [illegible] [illegible] [illegible] [illegible]	1	5.00	—	—	5.00 Nos	1513/-
			@302.50/-				
20	Supplied fixing [illegible] type [illegible] [illegible] [illegible] [illegible] [illegible] Colour [illegible] for 230 V AC 50 Hz. Group. B.	5	3.00	385.00	-	15.00	5775/-
21	Supply + [illegible] pvc [illegible] 650/1100 V [illegible] [illegible] [illegible] [illegible] [illegible]	1	5.00	10.00 @27.50/-	—	50.00	1375/-

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions Number 3	 Length 4	 Breadth 5	 Depth 6	Contents 7	Reference to last Measurement 8
22	Supply fixing etc using heavy duty low voltage square [illegible] to IS 2834 3 phase 400/440 volts suitable for power factor improvement [illegible] working capacitor [illegible]						
		1	5 no	–	–	5 no –	1925/-
				385.00/Each			
23	Supply and fixing miniature circuit breaker as [illegible] [illegible] bands using necessary bus [illegible] etc wiring complete as [illegible]						
		1	5 no	–	–	5 no	4400/-
				880.00/Each			
24	Supply fixing using [illegible] suitable for grounding conductor [illegible] and other [illegible] 250 mm long [illegible] 150 mm [illegible] the connectors for the [illegible] GI wire [illegible] as per [illegible] specification						
		1	5 no	–	–	5 no	8280/-
				@1650.00/Each			

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Measurement Book

No. C/09 171193

Serial No...............................

Name of work.......................................From...................................To.......................................

Name of Contractor of nature of Agency..

Date of commencement of work...

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
25	Supply and fixing Chain link (medium duty) GI pipe with [illegible] not less than 3.25 m on [illegible]	1	5.00	10.00 @ 286 sqm	–	50.00	14300/-
26	Supply and fixing [illegible] Seats Sheet rods for [illegible] De Centant [illegible] Sarojpal [illegible] [illegible] [illegible] [illegible] per [illegible] [illegible] [illegible] [illegible] proportion of [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] the [illegible] for further [illegible] the [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]	1	5.00	– @1656 rm	—	5 rm	8280/-

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Measurement Book

No. C/09 171194

Serial No..............................

Name of work..From...To...

Name of Contractor of nature of Agency..

Date of commencement of work..

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
31	Supply & fixing of porcelain [illegible] [illegible] all [illegible] in [illegible] / [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]	5	6.0	–	–	30.00	1320/-
				044.00			
33	Cutting of road surface for pipe line trenches [illegible] disposal of the [illegible] Shifting [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] surface road	5	155.0	0.60	0.15	69.75	
				311.644			21737/-
34	Earth work excavation for foundation of [illegible] water supply [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] / [illegible] [illegible] [illegible]						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	[illegible] excavation in hard soil not exceeding 1.50 m in depth including dressing to bottom and sides of pits and trenches stacking the excavated soil for refilling / spreading with lead upto 50 m after being [illegible] as per specification						
		5	155.00	0.60	0.75	348.75 [illegible]	90444
	Lab @ 6 30.15 [illegible]						
	@ 259.[illegible]						
35	Providing and installing at site of [illegible] PVC pipes including cost of pipes and specials and labour including lowering into trench laying to true line and level and perfect alignment [illegible] jointing pipes including [illegible] of pipes [illegible] labour and [illegible] testing [illegible] complete as directed by the Engineer in charge.						
		5	155.00			775.00 m	121635/
	@ 157.[illegible]						
36	Supplying and fixing 50 mm GI pipe B class heavy duty.						
		5	10.00	-	-	50.00	16250/
	@ 325.00/m						

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Measurement Book

No. C/09 171195

Serial No..............................

Name of work..............................From..............................To..............................

Name of Contractor of nature of Agency..............................

Date of commencement of work..............................

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
37	Refilling [illegible] earth around pipe line [illegible] in layers [illegible] by ramming after watering [illegible] lead upto 50m [illegible] including cost of all labour charges Qty vide item (34)	–	–	–	–	301.50 cum	24289/–
				@ 80.56/cum			
38	Transportation of pumping machinery.	1	5 no	–	–	5 nos	4500/–
				900 each			
39	Erection of pumping machinery	1	5 no	–	–	5 nos	4500/–
				900 each			

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Lo [illegible] of Supply water [illegible] base of Capital [illegible] in [illegible] Serving day for 6am to 6pm [illegible] & [illegible] the [illegible] the hire charges will be inclusive of diesel oil [illegible] any other Contingencies inclusive of charges [illegible] also [illegible]	56	6.00	–	–	336 Trips	173040/-
				0 515/trip			
32	BESCOM Deposit Charges						
	(1) 5th Cross Near opp [illegible]						
	Supply Deposit [illegible] 6424857			100-00			9990/-
	Deposit [illegible] 6440424			8160-00			
	Meter [illegible] no. 77664	–		1730-00		–	
				9990-00			
	(2) Maheshwari Nagar [illegible]						
	Supply [illegible] no 48 634841	–		100-00			9990/-
	no 48 6440418			8160-00			
	Meter no 77665	–		1730-00			
				9990			

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Measurement Book

No. C/09 171196

Serial No.................................

Name of work..From..To..

Name of Contractor of nature of Agency...

Date of commencement of work..

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(3) 2nd Cross near St mary School no 4O	~~6439~~ 6434842	—	100-00			9990/-
	4R	6440419	—	8160-00			
	Item 00327		—	1730-00			
				9990-00			
	(4) Kempegowda nagar near garden school 4B	6434843	—	100-00			9990/-
	4R	6439923	—	8160-00			
	Item	77666	—	1730-00			
				9990-00			
	(5) Kalabhairaveshwara (ri nagala nagar) 4B	6839923	—	100-00			9990/-
	4R	6440420	—	816000			
		77662	—	1730-00			
				9990-00	Total		3,613394-00 325205-00

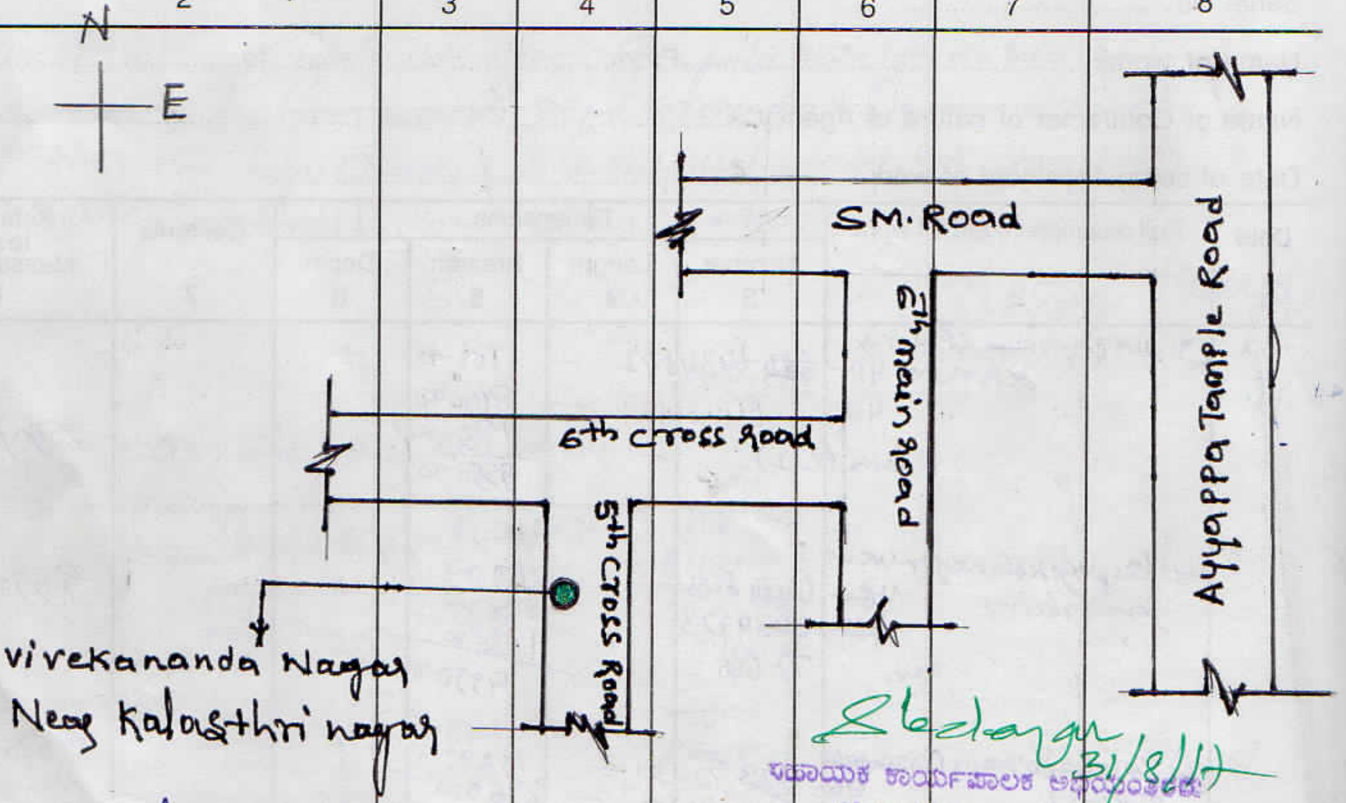
Shardayya
31/8/17

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು

31/8/20

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



31/8/17

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

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Measurement Book

No. C/09 171197

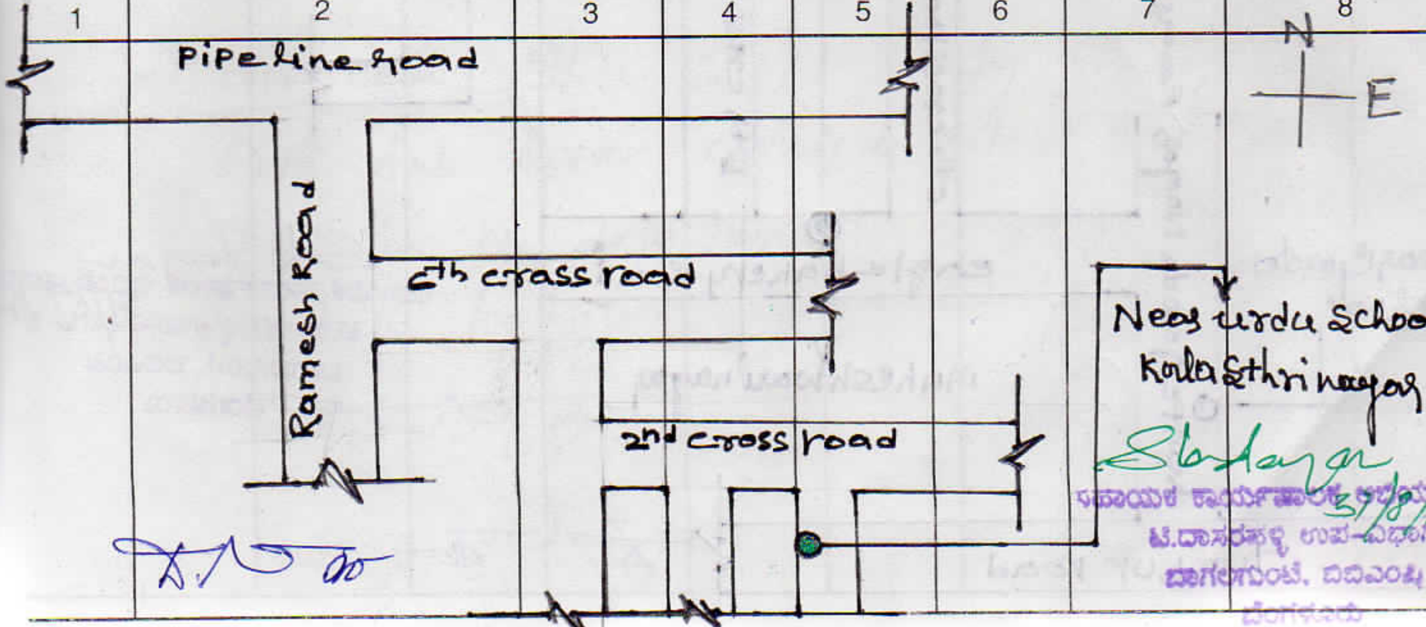
Serial No..............................

Name of work....................................From....................................To....................................

Name of Contractor of nature of Agency..

Date of commencement of work...

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

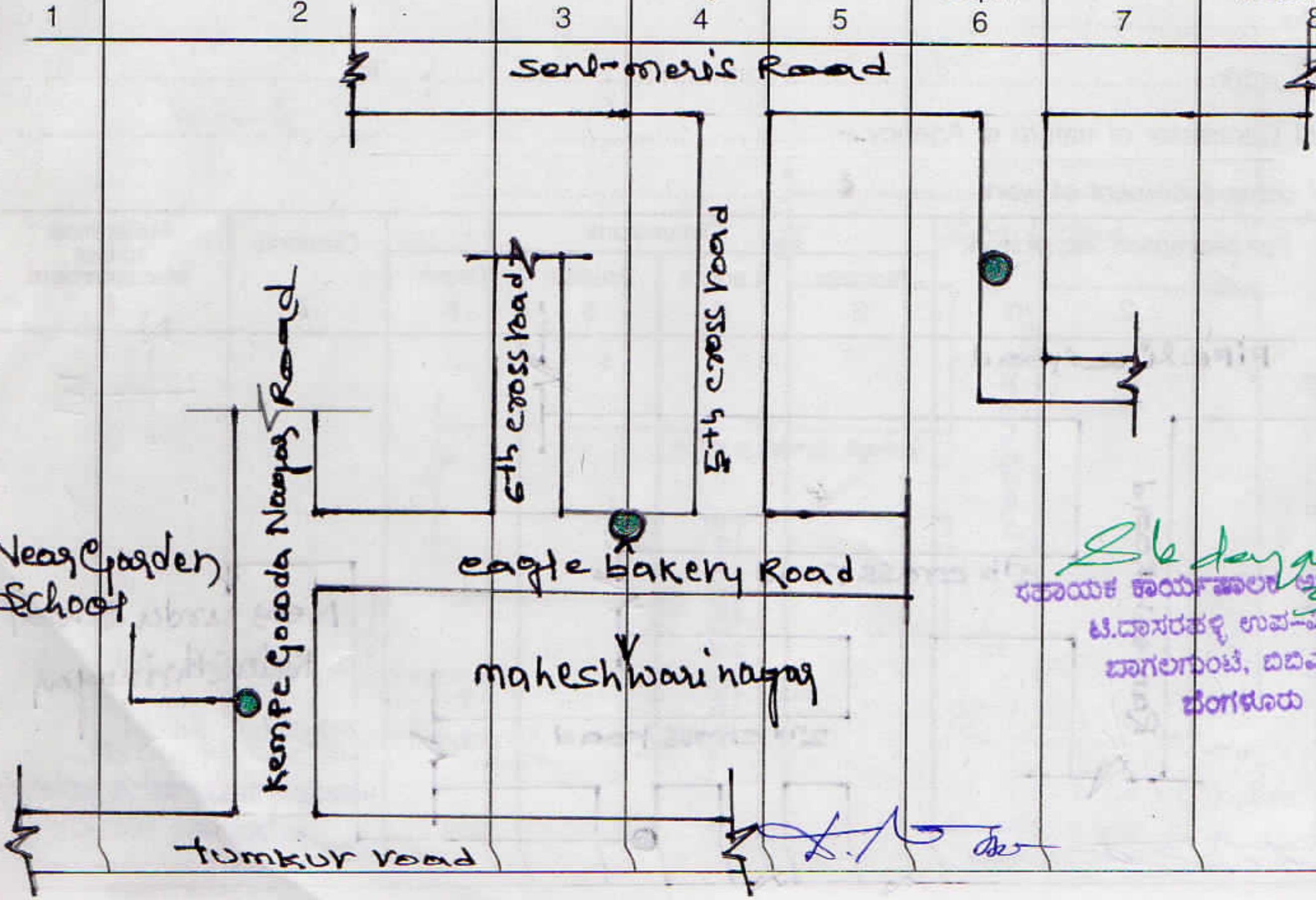


31/8/11

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

31/8/15

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09 171198

Serial No...............................

Name of work...From...................................To......................................

Name of Contractor of nature of Agency...

Date of commencement of work...

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

Certificate: This is to certify that the work has been carried out satisfactorily. There is no departmental supply. & The debris has been removed from borewell spot.

31/8/17

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು